Title (en)
RNTI-DEPENDENT SCRAMBLING SEQUENCE INITIALIZATION

Title (de)
RNTI-ABHÄNGIGE VERWÜRFLUNGSSEQUENZINITIALISIERUNG

Title (fr)
INITIALISATION D'UNE SÉQUENCE DE BROUILLAGE EN FONCTION D'UN RNTI

Publication
EP 2327268 B1 20180228 (EN)

Application
EP 09743979 A 20090807

Priority
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- US 53644009 A 20090805

Abstract (en)
[origin: US2010034161A1] Systems and methodologies are described that facilitate initializing scrambling sequence generation in a wireless communication environment. Scrambling sequence generation can be initialized (e.g., at a start of each subframe, . . .) at least in part as a function of a type of Radio Network Temporary Identifier (RNTI). Further, the type of RNTI utilized for initialization of scrambling sequence generation can correspond to a transmission type (e.g., whether the transmission is related to system information, paging, random access response, scheduled transmission or contention resolution message of a random access procedure, SPS traffic, regular unicast traffic, . . .). Moreover, the scrambling sequence can be leveraged to scramble data for transmission over a data channel (e.g., Physical Downlink Shared Channel (PDSCH), Physical Uplink Shared Channel (PUSCH), . . .). Further, a receiving wireless communication apparatus can utilize a descrambling sequence similarly yielded based upon the type of RNTI corresponding to the transmission type.

IPC 8 full level
H04W 74/08 (2009.01); **H04B 1/707** (2011.01)

CPC (source: BR EP KR US)
H04B 1/707 (2013.01 - BR EP US); **H04J 13/10** (2013.01 - KR); **H04J 13/16** (2013.01 - KR); **H04W 74/08** (2013.01 - KR); **H04W 74/0833** (2013.01 - BR EP US); H04W 74/002 (2013.01 - BR EP US); H04W 74/0866 (2013.01 - BR EP US)

Citation (examination)
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